Mycoplasma Diseases of Ruminants

By R Nicholas, R Ayling and L McAuliffe, all Veterinary Laboratories Agency, UK

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Subject Classification: PSVL, TWD, TWMP
Territorial Market Rights: World

Mycoplasmas cause some of the most serious and economically significant diseases in livestock and pose major problems for animal health authorities worldwide. Infection has spread in the last five years to new regions and species, but little effective control is available, particularly in developing countries.

This works encapsulates the latest research and development on mycoplasmas in sheep, goats and cattle from laboratories all over the world, describing both conventional diagnostic techniques for growth and identification and newly established procedures such as PCR/DGGE. Molecular typing methods are also covered, specifically for use in mycoplasma fingerprinting as well as up to date reviews on the major mycoplasma diseases including contagious bovine and caprine pleuropneumonias, contagious agalactia and many conditions caused by Mycoplasma bovis.

Audience:
Veterinary practitioners, researchers and authorities

Contents:

Part I: Methods

1. In vitro culture of mycoplasmas from ruminants
2. Detection and differentiation of mycoplasmas by PCR/DGGE
3. Detection of mycoplasma using polymerase chain reaction (PCR)
4. Molecular typing of mycoplasmas
5. Antigenic analysis of mycoplasmas
6. Antimicrobial sensitivity testing

Part II: Diseases

7. Contagious bovine pleuropneumonia
8. Contagious agalactia
9. Contagious caprine pleuropneumonia
10. Bovine respiratory disease
11. Respiratory disease in small ruminants
12. Eye infections of ruminants
13. Reproductive diseases of cattle
14. New, emerging and unculturable mycoplasmas of ruminants
Mycotoxins are produced worldwide by several fungi on a wide range of agricultural commodities and are closely related to human and animal food chains. Examining mycotoxins and their impact from a public health viewpoint, this book provides an overview and introduction to the subject and examines the health, trade and legislation issues involved. Management of mycotoxins is discussed in detail as well as the global problems caused by mycotoxins.

**Audience:**

Researchers and students in mycology and mycotoxins

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